#650

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LM		QUAL(70)	(SEE NOTE 13)
LM		DMSM	1
LM	LDW340-28130	LM-1(31)	1
PART NO. LSC	350-80145-13		
LM	LSK570-2754	FMES(T)	1
PART NO. LSC	350-80145-03		
LM		M5(05)	

PART NO. LSC350-80145-01 GAEC SCH NO.

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LM	LDW340-21130	LTA-1(11)	1
PART NO. LSC	350-80145-11		
LM		QUAL(70)	(SEE NOTE 13)
LM	LDW340 51130	LTA-8(18)	1
PART NO. LSC	350-80145-12		
LM		(SEE NOTE 15)	1
PART NO. LSC	350-80145-05		
LM	LSK570-6616	FMES(T)	1
PART NO LSC	350-80145-04		
LEM	LDW340-21130	ESI (10)	1

PART NO. LSC350-80145-02 GAEC SCH NO. 38

GRUMMAN REL INFO E

PRIM NO. 411 (SK007) MP-16E 7/20/66

SHEET REV STATUS: FOR DESCRIPTION OF REV SEE SUBQ SH

SHEET	1.00	1.01	1.10	1.11	2.00	3.00	4.00	1.12	5.00	5.01	6.00	6.01	7.00	8.00
REV	E	E	B	D	E	E		E	D	E	A	E	E	E

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE UNLESS SPECIFIED FRACTIONS — DEC — ANGLES ±1/64 ±.005 ±1/2°

ORIG DWG AUTH		
DETAIL SPEC REQ		
CLASS II ENGRG CHG		
CLASS I ENGRG CHG		

DRAWN BY	JOHN F. SAUER 1-20-66	SPECIFICATIONS	R. Bernstein GRV 3/7/66
LAYOUT BY	CHU		
CHECKED BY	ER 1-26-66		
GROUP LDR	J Foehl 2-1-66		
SUBSYS ENG	[signature] 2-1-66		
CREW PROV	[signature] 2/10/66	PROJ ENGR	[signature] 2-24-66
RELIABILITY	[signature] 2-28	RELEASE	[signature] 3-8-66

SPECIFICATION CONTROL DRAWING

LINE ITEM 7 DOCUMENTATION TYPE II

CONTRACT NO. NAS9-1100

GRUMMAN AIRCRAFT ENGRG CORP
BETHPAGE, L. I., NEW YORK

METER, D'ARSONVAL THRUST INDICATOR DISPLAY SUBSYSTEM

SIZE	CODE IDENT NO.		
A	26512	LSC350-80145	E

SCALE: NONE SHEET 1.00 OF 14

77.5 7-64

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LM		DMSM	2
LM	LDW350-55801	LM-6(36)	1
LM	LDW340-55130	LM-5(35)	1

PART NO. LSC350-80145-15

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LM	LDW340-52130	LM-2(32)	1
LM	LDW340-54130	LM-4(34)	1
LM	LDW350-53801	LM-3(33)	1

PART NO. LSC350-80145-14 GAEC SCH NO.

MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	REQD PER MODULE OR END ITEM
LM	LDW340-55130	LM-15(45)	1
		LM-14(44)	1
		LM-13(43)	1
		LM-12(42)	1
		LM-11(41)	1
		LM-10(40)	1
		LM-9(39)	1
		LM-8(38)	1
LM	LDW340-55130	LM-7(37)	1

PART NO. LSC350-80145-16 GAEC SCH NO.

SPECIFICATION CONTROL DRAWING

GRUMMAN AIRCRAFT ENGRG CORP, BETHPAGE, L. I., NEW YORK

SIZE	CODE IDENT NO.		
A	26512	LSC350-80145	E

SCALE NONE SHEET 1.01

ENG 77.26 9-66

CHANGE LTR	ITEM NO.	SHEET NO.	ZONE	~~SH CHG LTR~~	DET SPEC	CLASS I	CLASS II	REVISIONS DESCRIPTION	CHANGED BY AND DATE	ENGRG APPD	GOVT APPD
A	1	1.00 1.00 1.10 2.00 3.00 4.00 5.00 6.00 6.01 7.00 8.00	6A 4A					SHEET 1.00 OF 11 WAS SHEET 1.00 OF 8, ADDED SHEET 1.01, 1.10 & 6.01, ADDED -12 & -13 (REF LVC350-801-039A), ADDED EFF. AND NEXT ASSY FOR -02, -03, -04 & -11. ADDED -14 (REF LVC350-801-041), ADDED -05.			
	2	2.00						PART NO. FOR -01, -02 & -03 WAS "DJG904A8" PART NO. FOR -11 WAS "JG904A16".			
	3	3.00						IN GENERAL SPECIFICATION NOTE ADDED "(SEE NOTE 14)"; SPECIFICATION NO. FOR -01, -02, -03, -04 & -11 WAS LSP-350-801 B			
	4	5.00						ADDED NOTES 13, 14 & 15			
	5	6.00						-11 WAS "PRODUCTION UNIT-QUALIFIED AND COMPLIANCE TO GRUMMAN SPECIFICATION LSP-350-801 LATEST REVISION."			
	6	8.00	6A 4A					"SEE SH 6.00" WAS "SEE SH 4.00", ADDED "SEE SH 6.01"; VIEW A-A ADDED FIG III			
	7	7.00	3B 2B				(1)	ADDED COLUMNS FOR PINS 13 & 14; IN REMARKS COL LSP-350-801 WAS LSP-350-801 B	10-16-66		
B	1	5.00 8.00	A6 B4				(2)	IN NOTE 14, ADDED -043, -048A, -051A, -058 & -059 TO LVC 350-801. ADDED CALLOUT "CHANNEL 1 & 2".			

GR LEADER SUBSYSTEM
RELIABILITY
SPECIFICATION
VDI/MFG TASK FORCE

PROJECT
RELEASE

SPECIFICATION CONTROL DRAWING

GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK

SIZE	CODE IDENT NO.	
A	26512	LSC350-80145

SCALE NONE

SHEET 1.10

B

ENG 77 6 7-64

CHANGE LTR	ITEM NO.	SHEET NO.	ZONE	~~SH CHG LTR~~	DET SPEC	CLASS I	CLASS II	REVISIONS DESCRIPTION	CHANGED BY AND DATE	ENGRG APPD	~~GOVT~~ APPD
C	1	1.00 1.01 1.11						SHEET 1.00 OF 12 WAS SHEET 1.00 OF 11 ADDED SHEET 1.11 ; ON -12 N/A FOR EFF LTA-8 WAS LDW340-28130 & ON -13 N/A FOR EFF LM-1 WAS LDW340-51130 ; ON -14 REMOVED EFF QUAL(70) & ADDED LM-12 THRU LM-15 .	H. Gee 4-4-67		
	2	3.00						IN NOTE 1 SPECIFICATION NO. LSP-350-801D WAS LSP-350-801C .			
	3	5.00					(R)	NOTE 14 WAS "LSP-350-801C REQUIREMENTS ---- NOTICE(S): LVC350-801-041, -043, -048, -048A, -051, -051A, -052, -058, -059	WCG		
D	1	1.01 2.00 3.00 6.01 7.00 8.00				✓		ON -14; REMOVED LM-5 THRU LM-15 EFF & N/A LDW 340-54130, REMOVED DMSM EFF. ADDED -15. (LCD 2249)(CCA 726) OK	T. HOLLOWAY 14 JAN 68		
	2	3.00 5.00			✓		(R)	ON -14; SPECIFICATION NO. WAS LSP350-801D REMOVED (SEE NOTE 14) REMOVED NOTE 14.			

SPECIFICATION CONTROL DRAWING	SIZE A	CODE IDENT NO. 26512	LSC350-80145	D
GRUMMAN AIRCRAFT ENGRG CORP, BETHPAGE, L. I., NEW YORK	SCALE NONE		SHEET 1.11	

ENG 77.6 7-64

(D)

CHANGE LTR	ITEM NO.	SHEET NO.	ZONE	SH CHG LTR	DET SPEC	CLASS I	CLASS II	REVISIONS DESCRIPTION	CHANGED BY AND DATE	ENGRG APPD	CONT APPD
F	1	1.00 1.01 1.12 2.00 3.00 5.01 6.01				✓		SHEET 1.00 OF 14 WAS SH. 1.00 OF 12 ADDED SHEETS 1.12 & 5.01 ON-14 N/A FOR LM-3 WAS LDW340-53130, ON-15 REMOVED LM-7 THRU LM-15, N/A FOR LM-6 WAS LDW340-55130. IN MOD BLOCK, NOTES & FL) ADDED -16 IN NOTE 1 ADDED "(SEE NOTE 16)" ADDED NOTE 16. REF LCD 2731	# D. BORITZ 6-12-68	COG ENGR GRP LDR RELIABILITY SPECIFICATIONS SUB-SYSTEM/PROJ RELEASE	7/1/68 7/9/68 3/20/68
	2	1.10 1.01					✓	ON-13 REMOVED LM-2 ON-14 ADDED LM-2 (REF LDW340-52130 EOC7)			

SPECIFICATION CONTROL DRAWING

GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK

SIZE	CODE IDENT NO.	
A	26512	LSC350-80145 E

SCALE NONE

SHEET 1.12

ENG 77.6 7-64

VENDORS LISTED ARE ACCEPTABLE SOURCE/S

GAEC SPECIFICATION CONTROL DRAWING & DASH NUMBERS	I&T	VENDORS NAME ADDRESS - CODE IDENT & PART NUMBERS	VENDOR DRAWINGS				(I&T) REQMTS APPLICABLE PER PARA
			NUMBER AND REVISIONS	ITEM WEIGHT LBS			
LSC 350-80145-01	E	DJG904A8 SERIES 1	DJG904A8				NONE
LSC 350-80145-02	S	DJG904A8 SERIES 2	DJG904A8	1.20 MAX			PARA 3.5.2
LSC 350-80145-03	S	DJG904A8 SERIES 3	DJG904A8	1.20 MAX			PARA 3.5.2
LSC350-80145-04	S	DJG904A16	DJG904A16	1.20 MAX			PARA 3.5.2
LSC350-80145-05							
LSC 350-80145-11	S	JG904A16 SERIES 1	JG904A16	1.20 MAX			ALL
LSC350-80145-12	S	JG904A16 SERIES 2	JG904A16	1.20 MAX			ALL
LSC350-80145-13	S	JG904A16 SERIES 3	JG904A16	1.20 MAX			ALL
LSC350-80145-14	S	JG904A16 SERIES 4	JG904A16	1.20 MAX			ALL
LSC350-80145-15	S	JG904A25 SER 11&12	JG904A25	1.20 MAX			ALL
LSC350-80145-16	S			1.20 MAX			ALL
		HONEYWELL INC AERO DIV MINNEAPOLIS MINNESOTA CODE IDENT 94580					

I & T: IDENTIFICATION AND TRACEABILITY IN ACCORDANCE WITH LSP-14-007

SPECIFICATION CONTROL DRAWING	SIZE	CODE IDENT NO.		
	A	26512	LSC350-80145	E
GRUMMAN AIRCRAFT ENGRG CORP, BETHPAGE, L. I., NEW YORK	SCALE NONE			SHEET 2.00

ENG 77.8 10-64

NOTES;

1. THIS SPECIFICATION CONTROL DRAWING AND GRUMMAN SPECIFICATION LSP-350-801 TOGETHER WITH REVISIONS AND AMENDMENTS AS NOTED, ESTABLISH THE COMPLETE REQUIREMENTS FOR THE FOLLOWING PARTS; (SEE NOTE 16)

DASH NO.	NOMENCLATURE	SPECIFICATION NO.
-01	METER D'ARSONVAL THRUST INDICATOR (MOCKUP)	LSP-350-801D
-02	METER D'ARSONVAL THRUST INDICATOR (PREPRODUCTION)	
-03		
-04		
-05	METER D'ARSONVAL THRUST INDICATOR (PREPRODUCTION)	
-11	METER D'ARSONVAL THRUST INDICATOR (PRODUCTION)	
-12		LSP-350-801D
-13		LSP-350-801D(-1)
-14		LSP-350-801D(-2)
-15		
-16	METER D'ARSONVAL THRUST INDICATOR (PRODUCTION)	LSP-350-801D(-2)

(CONTINUED ON SH. 4.00)

GRUMMAN AIRCRAFT ENGRG CORP, BETHPAGE, L. I., NEW YORK

SIZE	CODE IDENT NO.		
A	26512	LSC350-80145	E

SCALE NONE SHEET 3.00

SPECIFICATION CONTROL DRAWING

ENG 77.9 7-64

THIS IS AN ORIGINAL DRAWING

NOTES; (CONT FROM SHEET 3.00)

2. XM, YM AND ZM REPRESENT METER AXES.

3. SIZE TO BE DETERMINED BY VENDOR WITH A DESIGN OBJECTIVE OF .010 NOM SEPARATION BETWEEN POINTER & EDGE OF SLOT AND A NOM SLOT WIDTH OF .190.

4. POINTER TO BE IN THE SAME PLANE AS DIAL FACE.

5. PRODUCTION MODELS;
ALL CHARACTERS INCLUDING THE PERCENT SIGN (%) SHALL BE FUTURA DEMIBOLD .125 HIGH AND SHALL HAVE A DISTANCE OF AT LEAST ONE STROKE WIDTH BETWEEN CHARACTERS.

6. MASKED AREAS THAT ARE KEPT FREE OF PAINT SHALL HAVE AN ELECTRICAL CONDUCTIVE SURFACE.

7. ALL NUMERALS, LETTERS, GRADUATION MARKS & AREAS NOTED SHALL BE WHITE AS PER FED-STD-595 COLOR NO. 37875.

(CONT ON SHEET 5.00)

GRUMMAN AIRCRAFT ENGRG CORP, BETHPAGE, L. I., NEW YORK

SIZE	CODE IDENT NO.	
A	26512	LSC350-80145
SCALE NONE		SHEET 4.00

SPECIFICATION CONTROL DRAWING

ENG 77.9 7-64

THIS IS AN ORIGINAL DRAWING

NOTES: (CONT FROM SHEET 4.00)

8. ALL FINISHES ON THIS SIDE OF FLANGE SHALL BE REMOVED EXCEPT FOR ELECTRICAL CONDUCTIVE SURFACE.

9. SHADED AREAS TO BE FINISHED DULL GRAY PER FED-STD-595 COLOR NO. 36231 SEE PARA 3.4.11 OF LSP-350-801 FOR REMAINDER OF FINISH.

10. DIAL FACE SHALL BE BLACK AS PER FED-STD-595 COLOR NO. 37038.

11. PREPRODUCTION MODELS: MAY HAVE MS33558 NUMERALS AND LETTERS.

12. INSTALL A PROTECTIVE CAP BEFORE SHIPPING.

13. THIS UNIT TO BE QUALIFIED BY SIMILARITY ON THE BASIS OF QUAL TESTS PERFORMED ON LSC350-80113-12

14. ~~LSP-350-801D REQUIREMENTS ARE SUPPLEMENTED BY THE FOLLOWING LEM VENDOR CHANGE NOTICE(S): LVC350-801-044.~~

15. LSC350-80145-05 UNIT TO BE USED WITH TEST PLAN LTP-908-23001

GRUMMAN AIRCRAFT ENGRG CORP, BETHPAGE, L. I., NEW YORK			
SIZE A	CODE IDENT NO. 26512	LSC350-80145	D
SCALE NONE		SHEET 5.00	

SPECIFICATION CONTROL DRAWING

ENG 77.9 7-64

THIS IS AN ORIGINAL DRAWING

D

NOTES: (CONT FOM SHEET 5.00)

16. LSP 350-801D(-2) REQUIREMENTS ARE SUPPLEMENTED BY THE FOLLOWING LEM VENDOR CHANGE NOTICE(S) LVC350-076.

GRUMMAN AIRCRAFT ENGRG CORP, BETHPAGE, L. I., NEW YORK

SIZE	CODE IDENT NO.		
A	26512	LSC350-80145	E

SPECIFICATION CONTROL DRAWING

SCALE NONE

SHEET 5.01

ENG 77.9 7-64

EXPLANATION OF GRUMMAN PART NO.

LSC 350-80145 - XX

BASIC NO.

01 = LIGHTING MOCK-UP-HEADER SPECIFIED NOT REQUIRED, ONLY 2 TERMINALS REQD FOR LIGHTING NEED NOT BE A WORKING METER, OR A MASS REPRESENTATIVE OF FINAL METER. SUBSTITUTE MATERIAL MAY BE USED FOR CASE

02 = PREPRODUCTION UNITS - NEED NOT CONTAIN HI REL PARTS FOR CIRCUITRY. MAY HAVE SUBSTITUTE HEADER. NEED NOT BE SUBJECTED TO THE ACCEPTANCE TEST VIBRATION PROCEDURES. THE SOLDERING REQUIREMENTS OF MSFC-PROC-158A AND MSFC-ASPO-S-5B WITH SUPPLEMENTS ARE TO BE CONSIDERED AN OBJECTIVE.

03 = SAME AS -02 EXCEPT THAT VIBRATION BUMPERS WERE ADDED. METER MUST BE SUBJECTED TO THE ACCEPTANCE TEST VIBRATION PROCEDURE.

04 = SAME AS -03 EXCEPT FOR A NEW SCALE FACTOR. REFER TO TABLE III OF LSP-350-801

05 = SAME AS -03 EXCEPT CASE AND GLASS SEALANT SHALL BE HONEYWELL POLYURETHANE MATERIAL 7832B. GLASS AND CASE SEALING IS TO BE PROVEN BY TEMPERATURE CYCLING AND HIGH TEMPERATURE THERMAL VACUUM TESTING PRIOR TO INSTALLATION OF METER MOVEMENT.

11 = PRODUCTION UNIT-METER CASE AND GLASS SEALED WITH HONEYWELL AEROFLEX MATERIAL NO. 7083F.

(CONT. ON SH 6.01)

SPECIFICATION CONTROL DRAWING

GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK			
SIZE	CODE IDENT NO.		
B	26512	LSC350-80145	A
SCALE NONE		SHEET 6.00	

ENG 72.1 8-64

THIS IS AN ORIGINAL DRAWING

EXPLANATION OF GRUMMAN PART NO.

LSC350-80145-XX

BASIC NO.

12 = SAME AS -11 EXCEPT GLASS IS ABRASIVE BLASTED ALONG EDGES. CASE AND BEZEL ARE SODA BLASTED TO PROVIDE A BETTER BOND. CASE AND GLASS SEALING ARE PROVEN BY TEMPERATURE CYCLING AND HIGH TEMPERATURE THERMAL VACUUM TESTING PRIOR TO METER MOVEMENT INSTALLATION. METER MOVEMENT MAY HAVE BEEN SUBJECTED TO FIFTEEN (15) HOURS OF HIGH TEMPERATURE THERMAL VACUUM TEST BEFORE METER MOVEMENT IS INSTALLED IN CASE. BRASS SHIMS REPLACE STEEL SHIMS IN FINAL ASSEMBLY.

13 = PRODUCTION UNIT

14 = SAME AS -13 EXCEPT THAT 28VDC IS PROVIDED FOR POWER FAILURE DETECTION).

15 = SAME AS -14 (SEE NOTE 1)

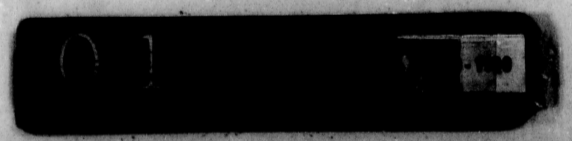
16 = SAME AS -15 EXCEPT-16 SHALL MEET THE THERMAL CYCLE REQUIREMENTS OF LSP350-801.

SPECIFICATION CONTROL DRAWING

GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK			
SIZE B	CODE IDENT NO. 26512	LSC350-80145	E
SCALE NONE			SHEET 6.01

DASH NO.	FOR G&ES USE ONLY SUBSYSTEM	FIRE	MATER MOVEMENT	MAT WEIGHT LBS	HEADER PIN NOS. (FUNCTION) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	FOR HEADER PIN LAYOUT SEE SHEET 8.00	REMARKS
-01																				MOCKUP IF REQUIRED
-02	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN #2	SIG GRD	+SIG CHAN #1	CASE GRD	75 VAC WHITE E/L	SPARE	75 VAC (RET.)	NO PIN	NO PIN	NO PIN			VIEW A-A FIG-I	REF TO TABLE VII OF LSP-350-801
-03	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN #2	SIG GRD	+SIG CHAN #1	CASE GRD	75 VAC WHITE E/L	SPARE	75 VAC (RET.)	NO PIN	NO PIN	NO PIN			VIEW A-A FIG I	REF TO TABLE VII OF LSP-350-801
-04	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN#2 (AUTO)	SIG GRD	+SIG CHAN #1	CASE GRD	75 VAC WHITE E/L	BIAS LEAD#1	75 VAC (RET.)	BIAS LEAD#3	BIAS LEAD#2	CHAN#2 SIG(MAN)			VIEW A-A FIG II	REF TO TABLE VII OF LSP-350-801
-05	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN #2	SIG GRD	+SIG CHAN #1	CASE GRD	75 VAC WHITE E/L	SPARE	75 VAC (RET.)	SPARE	SPARE	SPARE			VIEW A-A FIG II	REF TO TABLE VII OF LSP-350-801
-11	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN#2 (AUTO)	SIG GRD	+SIG CHAN #1	CASE GRD	75 VAC WHITE E/L	BIAS LEAD#1	75 VAC (RET.)	BIAS LEAD#3	BIAS LEAD#2	CHAN#2 SIG(MAN)			VIEW A-A FIG-II	REF TO TABLE VII OF LSP-350-801
-12	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN#2 (AUTO)	SIG GRD	+SIG CHAN #1	CASE GRD	75 VAC WHITE E/L	BIAS LEAD#1	75 VAC (RET)	BIAS LEAD#3	BIAS LEAD#2	CHAN#2 SIG(MAN)			VIEW A-A FIG-II	REF TO TABLE VII OF LSP-350-801
-13	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN#2 (AUTO)	SIG GRD	+SIG CHAN #1	CASE GRD	75 VAC WHITE E/L	BIAS LEAD#1	75 VAC (RET)	BIAS LEAD#3	BIAS LEAD#2	CHAN#2 SIG(MAN)			VIEW A-A FIG-II	REF TO TABLE VII OF LSP-350-801
-14	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN#2 (AUTO)	SIG GRD	+SIG CHAN #1	CASE GRD	75VAC WHITE E/L	BIAS LEAD#1	75VAC (RET)	BIAS LEAD#3	BIAS LEAD#2	CHAN#2 SIG(MAN)	+28 VDC	PWR GRD	VIEW A-A FIG III	REF TO TABLE VII OF LSP-350-801
-15	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN#2 (AUTO)	SIG GRD	+SIG CHAN #1	CASE GRD	75VAC WHITE E/L	BIAS LEAD#1	75VAC (RET)	BIAS LEAD#3	BIAS LEAD#2	CHAN#2 SIG(MAN)	+28 VDC	PWR GRD	VIEW A-A FIG III	REFER TO TABLE VII OF LSP-350-801
-16	FLIGHT CONTROL	I	DUAL VERTICAL	1.2	+28VDC	PWR GRD	+SIG CHAN#2 (AUTO)	SIG GRD	+SIG CHAN#1	CASE GRD	75 VAC WHITE E/L	BIAS LEAD#1	75 VAC (RET)	BIAS LEAD#3	BIAS LEAD#2	CHAN#2 SIG(MAN)	+28 VDC	PWR GRD	VIEW A-A FIG III	REFER TO TABLE VII OF LSP-350-801

(A1) (A7) (A7)



MANUFACTURING OPERATIONS
UNLESS OTHERWISE SPECIFIED NOTES CHECKED √ APPLY TO THIS DWG.

PART NUMBER AND ALL OTHER MARKINGS IN REGION MARKED USE BOTH SIDES IF NECESSARY.

FILLET AND INSIDE CORNER RADII TOLERANCES
.016R TO .062R ± .010
.063R TO .250R ± .015
OVER .250R ± .030

DEPTH SHOWN FOR TAPPED HOLES IS FULL THDS. 2-3 IMP THDS BEYOND PERMISSIBLE.

EXTERNAL THREAD LENGTH SHOWN INCLUDES 2 IMPERFECT THREADS MAX.

DO NOT CADMIUM PLATE & PAINT HOLES OR SURFACES MARKED WITH DOUBLE ASTERISK.

MISMATCH STEP OF ± .005 PERMISSIBLE DUE TO CHANGE OF CUTTERS AT INSIDE INTERSECTING SURFACES.

DIAMETERS MARKED MUST BE CONCENTRIC WITHIN FULL INDICATOR READING

HOLES MUST BE KEPT FREE OF CHROME PLATING SOLUTION.

ALL DIMENSIONS SHOWN TO BE MET AFTER CADMIUM PLATING. THICKNESS OF PLATE .0003 MIN. TO .0005 MAX. MIN. THICKNESS TO BE .0002 ON THREADED AREAS. NO ALLOWANCE FOR PLATING IN HOLES

SURFACE ROUGHNESS INCLUDING REAMED HOLES PER MIL-STD-10

250 √ FOR ALL DRILLED HOLES

REMOVE ALL BURRS. BREAK ALL EDGES .015-.031

INSPECTION INFORMATION MINIMUM PERMISSIBLE AVERAGE EDGE DISTANCE MARKED 15

SYMBOL √ DENOTES SURFACE TO BE MACHINED

UNLESS OTHERWISE SPECIFIED TOLERANCE ON FLANGES IS ± 1/32

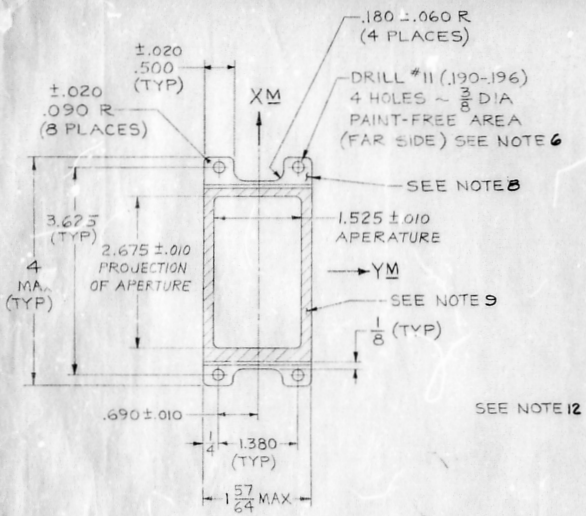
LENGTHS OF AN, NAS & MS AL ALY RIVETS SHORTER THAN 1 INCH ARE NOT SPECIFIED.

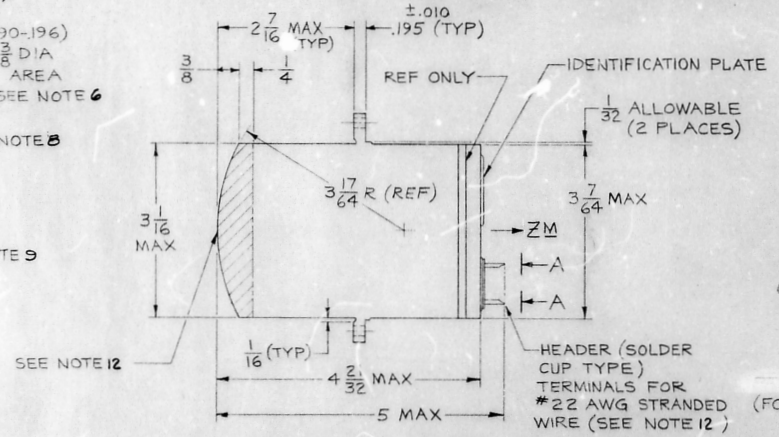
TOLERANCE ON LOCTED DEFINEATIONS IS

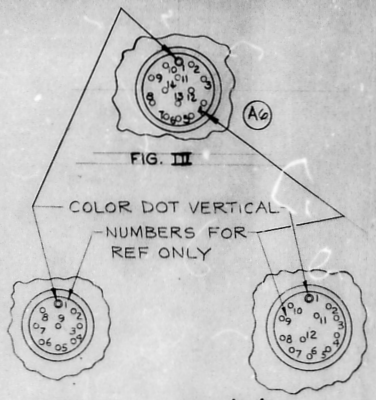
SPECIFICATION CONTROL DRAWING

	GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK	
LEM	SIZE D	CODE IDENT NO. 26512
MODEL OR END ITEM	SCALE NONE	LSC350-80145 SHT 3 OF 3

THIS IS AN ORIGINAL DRAWING







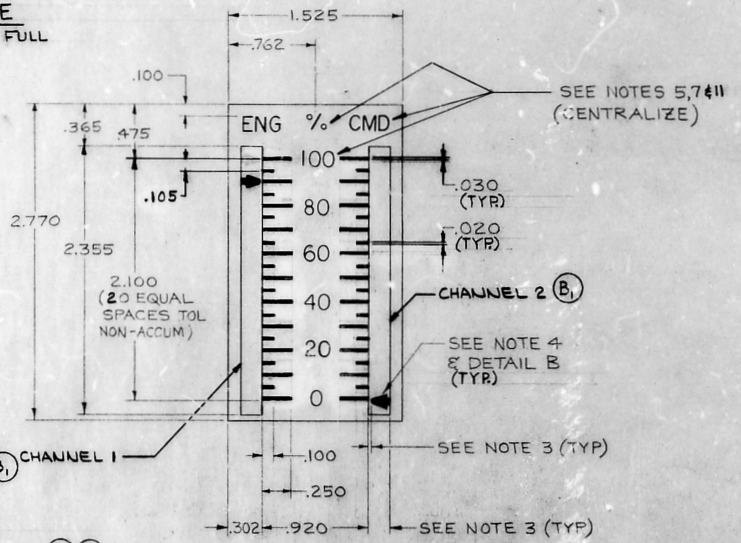
PARTIAL VIEW A-A

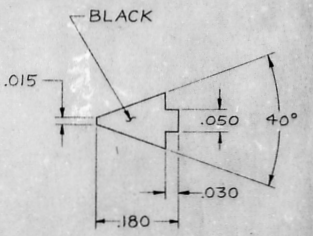
(FOR 9 PIN HEADER) (FIG. I) SCALE: NONE

(FOR 12 PIN HEADER) (FIG. II) SCALE: NONE

CASE

SCALE: FULL





DETAIL B

SCALE: 8/1

LSC350-80145-01
LSC350-80145-02
LSC350-80145-03
LSC350-80145-04
LSC350-80145-05
LSC350-80145-11 (E1)
LSC350-80145-16

(A1) (A6) SEE SH 6.00

DIAL FACE (SCALE: 2/1)

(A1) LSC350-80145-12
LSC350-80145-13
LSC350-80145-14
LSC350-80145-15 (D1)

(A6) SEE SH 6.01

MANUFACTURING OPERATIONS

UNLESS OTHERWISE SPECIFIED NOTES CHECKED √ APPLY TO THIS DWG.

PART NUMBER AND ALL OTHER MARKING IN REGION MARKED USE BOTH SIDES IF NECESSARY.

FILLET AND INSIDE CORNER RADII TOLERANCES
.016R TO .063R ± .010
.063R TO .250R ± .015
OVER .250R ± .031

DEPTH SHOWN FOR TAPPED HOLES IS FULL THDS. 2-3 IMP THDS. BEYOND PERMISSIBLE.

EXTERNAL THREAD LENGTH SHOWN INCLUDES 2 IMPERFECT THREADS MAX.

DO NOT CADMIUM PLATE & PAINT HOLES OR SURFACES MARKED WITH DOUBLE ASTERISK.

MISMATCH STEP OF ± .005 PERMISSIBLE DUE TO CHANGE OF CUTTERS AT INSIDE INTERSECTING SURFACES.

DIAMETERS MARKED MUST BE CONCENTRIC WITHIN FULL INDICATOR READING

HOLES MUST BE KEPT FREE OF CHROME PLATING SOLUTION.

ALL DIMENSIONS SHOWN TO BE MET AFTER CADMIUM PLATING. THICKNESS OF PLATE .0003 MIN. TO .0005 MAX. MIN. THICKNESS TO BE .0002 ON THREADED AREAS. NO ALLOWANCE FOR PLATING IN HOLES

125 SURFACE ROUGHNESS INCLUDING REAMED HOLES PER MIL-STD-10

250 FOR ALL DRILLED HOLES

REMOVE ALL BURRS. BREAK ALL EDGES .015-.031

INSPECTION INFORMATION MINIMUM PERMISSIBLE AVERAGE EDGE DISTANCE MARKED IS

SYMBOL ∠ DENOTES SURFACE TO BE MACHINED

UNLESS OTHERWISE SPECIFIED TOLERANCE ON FLANGES IS ± 1/10

LENGTHS OF AN, MS & MS AL ALY RIVETS SHORTER THAN 1 INCH ARE NOT SPECIFIED.

TOLERANCE ON LOFTED DELINEATIONS IS

SPECIFICATION CONTROL DRAWING

	GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK			
LEM	SIZE D	CODE IDENT NO. 26512	LSC350-80145	E
MODEL OR END ITEM	SCALE FULL		SHEET 6.00	

THIS IS AN ORIGINAL DRAWING